

September 28, 1902.

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- ✓ First heavy snow of the season fell at Fort Yellowstone.
- ✓ Robins thronged the cedars (*J. scopulorum*). ✓ Magpie seen.
- ✓ One *Salpinctes* trilled board walk.
- ✓ *Junco oreganus*. - Numerous.

September 29, 1902.

- Drove to Gardiner & back. In post saw *Dendroica auduboni* & *D. coronata*.
- ✓ *Pica pica hudsonica*. - Three in the road, probably drinking near trough.
- A tame one at Post Office began "talking like a parrot" yesterday - a bird of the year.
- ✓ *Otocoris*. - Several seen.

October 3, 1902.

- Drove a mile up the Yellowstone, opposite Gardiner, Montana.
- ✓ Saw a large flock of Canvas-backs & many *Mergansers* & other ducks.
- ✓ Louis saw a goat or Mountain Sheep.
- ✓ Shot two & saw many cottontails.
- ✓ Lizards were abundant - 4 preserved.
- ✓ *Myadestes townsendi*. - 9 members seen on the Gardiner.
- ✓ *Parus montanus*. - Flock in small creek.
- ✓ *Ceryle alcyon*. - One at 2 m. bridge.
- ✓ ? *Oroscoptes*? One in sagebrush.
- ✓ *Zonotrichia leucophrys*. - Several.
- ✓ *Sialia arctica*. - Abundant.
- ✓ *Buteo borealis*. - One.
- ✓ *Corvus corax*. - Several.
- ✓ *Merula americana propinqua*. - Several.

Offhand Notes on Birds seen
in Yellowstone Park between
April and October, 1902:—

1 Echmophorus occidentalis. — A large
Grebe supposed to be this was seen
in Beaver and Twin Lakes

2 Podilymbus podiceps. — Seen in
Beaver Lake.

3 Larus argentatus. — Yellowstone Lake
September + , 1902; Yellowstone River,
September, 1902.

4 Larus delawarensis. — Fire Hole River
August , 1902; Yellowstone Lake
and River September to , 1902.

5 Larus franklinii? — A very
small Skull was seen on Yellowstone
Lake and River September to , 1902.

6 Sterna forsteri. — Yellowstone Lake
and River September to , 1902.

7 Pelecanus erythrorhynchos. — Several
were seen on Yellowstone Lake, September
1, 1902. Large numbers breed
on an island in Yellowstone Lake.
Miss Jackson has a picture of the
young.

8 Merganser americanus. — Abundant
on all waters containing fish; breeds.

9 Anas boschas. — The most abun-
dant species. A permanent resident;
breeds ~~very~~ abundantly. Several on the Yellowstone R.
above the Gardiner R., Oct. 13, 1902.

10 Chaulelasmus streperus. — Mammoth
Hot Springs (vicinity) throughout September;
also seen on Beaver and Twin Lake.

11 Mareca americana. — Several
flocks on Beaver Lake, Swan Lake
and ponds about Mammoth Hot
Springs during the last half of
September, 1902.

12 Nettion carolinensis. — Flocks
in ponds about Mammoth Hot Springs
during spring and fall.

13 Dafila acuta. — Flocks on Swan
and Beaver lakes, and on small
ponds about Mammoth Hot Springs
during last half of September, 1902.

14 Aythya americana. — Yellowstone
Lake and River September to 1902.
Flock on Yellowstone R., at Sphinx, Oct. 9, 1902.

15 Aythya vallisneria. — Yellowstone
Lake, near Natural Bridge September
1, 1902. Flock of

16. Branta canadensis _____ - Flock
at Beaver Lake, August, 1902;
also at Elk Park, Twin Lakes

Breeds in these waters.

17. Olor _____ - Capt. Elever
✓ Tridley 1st Cavalry has a mounted
Swan killed in the Park or near.
"Swan Lake" a Park name.

18. Ardea herodias _____ - One at a
✓ pond of West Gardiner River, Sept. 19, 1902.

19. Grus canadensis _____ - Three Cranes
✓ seen on fork of E. Gardiner east of
Mount Evans the first time I went there.

20. Rallus virginianus _____ - In cat-tails
✓ and tules about Mammoth Hot Springs.
See plant list for data.

21. Fulica americana _____ - Abundant;
✓ breeds. Last flocks noted Sept. 23.

22. Aegialitis macularia _____ - Fine Hole
✓ River; Yellowstone River between Lake &
Halls; Gardiner R.; Mammoth Hot Spgs., breeding.

23. Aegialitis vocifera _____ - Common Sum-
✓ mer resident. May to Sept. Jupiter Terrace.
Oct. 13, 1902. - No Killdeer seen for several weeks past.

24. Dendragapus obscurus _____ - Quite
Common in the Park; also at Crevier
Mts., Montana. Young collected on Black
tail Creek (caught by Hawk). Localities:
Mammoth Hot Springs; Snow Pass;
East Gardiner; Black-tail Creek;
Mount Washburn. Eggs found ^(May 25, 1902) the day
I first fished in Black-tail Creek
(see plant list for date). Two pairs on Benson
Peak Oct. 5, 1902; one pair near the summit.

25. Bonasa umbellus umbelloides _____ -
Common in the Park. Seen at Mammoth
Hot Springs, East Gardiner; Mount
Washburn, Antelope Creek, Benson
Peak, ~~etc.~~ near 6 m. post, beyond
Swan Lake Flat.

26. Benaidura macroura _____ - Arrived
in May and common until
the end of August. Not noted in
September, although some may have
been seen after August.

27. Circus hudsonius _____ - Seen
from April to September 25, 1902.
Not known to breed, but probably does.

28. Accipiter velox _____ - Seen from
May to September 24, 1902. Not
common. Probably breeds.

29. Accipiter cooperi _____ - Occasionally
seen. Dates not recorded.

30. Accipiter atricapillus. - Upper
Geyser Basin, September 1902.

31. Buteo borealis calurus. Abundant
April to Oct. Breeds. One was
eating a Cottontail Sept 27, 1902.
Spermophile taken from one in Swan
Lake Flat (mammal skin preserved).
One was eating a bird near
Dunraven Pass, Sept. 24, 1902.

32. Buteo latissimus. - One seen
at Snow Pass road.

33. Aquila chrysaetos. - One seen
on East Gardner the day we drove
Mrs. Baker there (for date see plant list).

34. Haliaeetus leucocephalus. - There
was a nest on Yellowstone Lake
for many years. Louis saw a pair
of adults on Yellowstone River the
day he got the young Dusky Grouse
(see record book for date).

35. Falco sparverius deserticola. -
Abundant everywhere; breeds.

36. Pandion haliaetus carolinensis. - A
common summer resident. First one
seen the day I took the President of the

N. Pa. R.R. to see the Elk
Many seen in Yellowstone Canyon
& Lake September 17 to 19, 1902.
Nests on rock spires of Gardner,
Middle Gardner, and Yellowstone rivers.

37. Bubo virginianus. - Resident.
from April to October. Not common.

38. Ceryle alcyon. - May to Sept.; breeds
Gardner R., Willow Creek; Gibbon River;
Fire Hole River; Upper Geyser Basin.

39. Dryobates villosus hyloscopus. -
Mammoth Hot Springs Sept. 26, 1902.
Rare. Summit Benson Peak, Oct. 5, 1902.

40. Sphyrapicus varius nuchalis. One
Sept. 23, 1902. Marks on many cedars.
cellariz (Vigors).

41. Colaptes cafer. - Common
summer resident; breeds; one
Sept. 27, 1902. Mt. Washburn Sept 28.

42. Chordeiles virginianus henryi. -
Not uncommon in summer.

43. Trochilus alexandri. - Rare summer
resident; pair at Judge Meldrum's

44. Contopus richardsonii. - Noted
in September.

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45. Empidonax _____ - Some seen, but dates not recorded or species identified.

46. Otocoris alpestris _____ - Resident from April to Oct.; breeds.

47. Pica pica hudsonica - Resident; breeds. Gardiner R. to Mt. Washburn and Grand Canyon of Yellowstone + Yellowstone Lake. Oct. 12, 1902. M. H. S.

48. Cyanocitta stelleri arizonicus - Mammoth Hot Springs to Yellowstone Lake. Resident. Breeds. One in road at post hospital, Oct. 12, 1902. One chased a Red Squirrel Oct. 11-02.

49. Perisoreus canadensis capitalis - Abundant; resident; breeds from Gardiner R. at 7 m. post to Yellowstone L. M. H. S., especially in winter.

50. Corvus corax sinuatus - Commonly seen; resident; not numerous. Mammoth Hot Springs, Gardiner, Yellowstone Lake, Grand Canyon.

51. Nucifraga columbiana - Abundant; resident; breeds. M. H. S., Yellowstone Lake, etc. Visit stables. Eat marrow out of soup bones, etc. One died at Stygian Caves Oct. 11, 1902.

One near Gardiner, Wyo., y.m.s. Oct. 13, 1902 - E. L. M.

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52. Cyanocephalus cyanocephalus - Flock at Horro, Montana (see plant list for date).

53. Molothrus ater - Mammoth Hot Springs in summer. Not common; seen about corral.

54. Sturnella neglecta - Summer resident. April to Sept. 27, 1902. Mammoth Hot Springs. Mount Washburn Sept. 24, 1902. Two near Gardiner, Mont. Oct. 13, 1902.

55. Geococcyx cyanocephalus - Abundant summer resident. May to Sept. Breeds. Immense flocks on Yellowstone Lake + River Sept. 17 to 19, 1902. Two on Yellowstone R., near Hurdley, Oct. 7, 1902.

56. Carpodacus cassinii - Immense flocks in spring April 17 to May, 1902. Summer resident; breeds. Singing, Oct. 11, 1902.

57. Spinus pinus - April 17 to Oct. Summer resident; breeds. Many dead at Stygian Caves in Oct., 1902.

58. Calcarius sp. - April, 1902, Mammoth Hot Springs.

59. Phrynosoma maccourii - Flocks at Mammoth Hot Springs in April & May, 1902.

60. Geococcyx grammacus confinis. - May to Sept. ; breeds ; common. Nested on Capitol Hill, M. H. S. & Swan Lake Flat.
61. Zonotrichia leucophrys. - May to Sept. 28, 1902. Nests at M. H. S.
62. Spizella monticola ochracea. - Mt. Washburn & Antelope Creek. Sept. 24, 1902.
63. Spizella socialis arizonae. - Breeds commonly. May to Sept. Breeds in hospital yard on Limber Pine & Douglass Spruce.
64. Junco mearnsi. - The common breeding form at Swan Lake Flat, Crevice Mt., etc. Probably several other forms of Junco occur. May dead at Stygian Caves Oct. 11, 1902.
65. Melospiza fasciata montana. - Rare summer resident ; breeds at Mammoth Hot Springs.
66. Melospiza fasciata. - May at Mammoth Hot Springs.
67. Oreospiza chlorura. - Abundant in late August & Sept.

68. Pipilo maculatus subsp.? - One ^{June} at Mammoth Hot Springs in May 21/02.
69. Parus ludovicianus. - A common summer resident ; breeds ; many were killed by carbonic acid gas in a cave at Mammoth Hot Springs in 1902. One dead (some time) at Stygian Caves, Oct. 11, 1902.
70. Petrochelidon lunifrons. - Breeds abundantly on buildings at M. H. S., and on cliffs of the Gardiner R. & its tributaries.
71. Tachycineta lepida. - Breeds abundantly at Mammoth Hot Springs and on branches of Gardiner R. One nest in ^{limber pine tree} ~~Douglass Spruce~~ at Arrivabar, on Yellowstone R., Mont. Commonly nesting in holes in cliffs.
72. Lanius sp. - One seen near Mammoth Hot Springs in spring of 1902.
73. Vireo gilvus. - Breeds at Mammoth Hot Springs.
74. Dendroica aestiva. - Gardiner R. in summer. Not at M. H. S.?
75. Dendroica auduboni. - May to Sept. 29, 1902. Perhaps some were D. coronata. Oct. 1, 1902. Oct. 10, 1902 at M. H. S.

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76. Geothlypis trichas occidentalis. -
May to Sept. M. H. S. Breeds.
77. Arreus penicillarius. - Abundant
in autumn at M. H. S., etc.
Seen Sept. 27, 1902 in flock. Oct. 1, 1902
78. Cinclus mexicanus. - ~~Summer~~ Res-
-ident; breeds. Gardiner R., W. Gar-
-den, Middle Gardiner at 7 mi. post.
(See plant list for date). One at 2d bridge
Oct. 9 and 10, 1902.
79. Dalmanites obsoletus. - May to Sept. 28,
1902. M. H. S., Gardiner R. + its branches.
Common summer resident & Breeds.
80. Winter Wren or House Wren? One
at Larry's camp Upper Geyser Basin
Sept. 17, 1902.
81. Cistothorus palustris griseus. -
Mammoth Hot Springs.
82. Sitta carolinensis nelsoni
Resident April to Oct. Breeds.
Oct. 11, 1902 at M. H. S.
83. Sitta canadensis. - First
seen Sept. 27, 1902.
84. Parus gambeli. - Resident
Breeds. Abundant. West S. upwards.